

FIG. 1

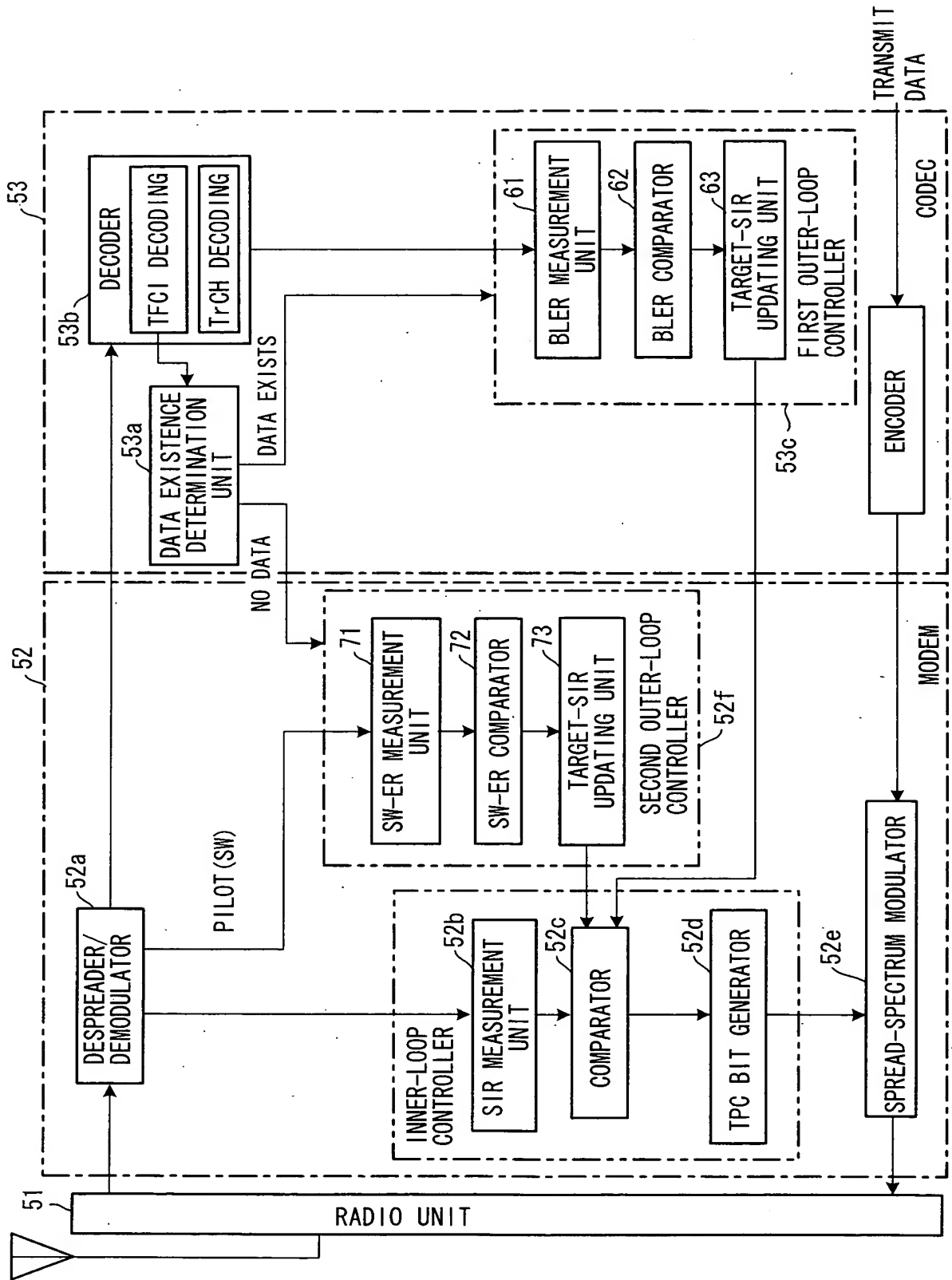
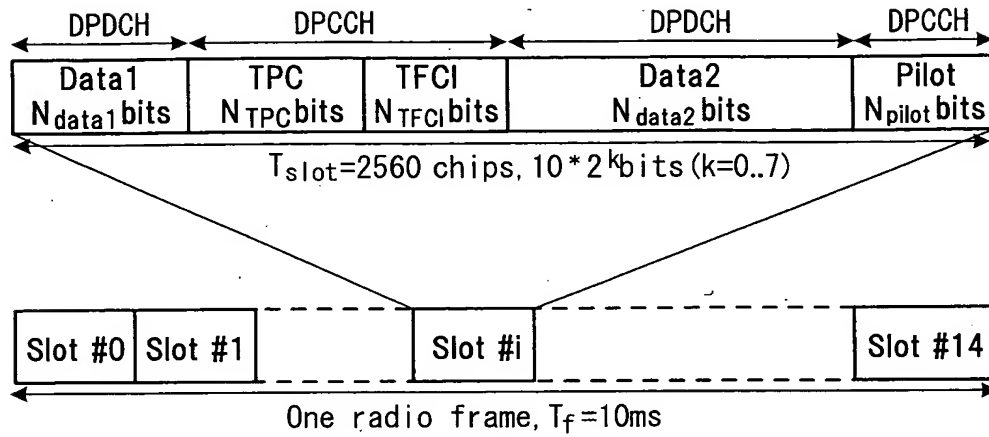


FIG. 2**FIG. 3**

	N _{pilot} =2			N _{pilot} =4		N _{pilot} =8				N _{pilot} =16								N _{pilot} =4	
Symbol#	0	0	1	0	1	2	3	0	1	2	3	4	5	6	7	0	1		
Slot #0	01	01	10	11	00	00	10	11	00	00	10	11	00	00	10	01	10		
1	10	10	10	11	00	00	01	11	00	00	01	11	10	00	10	10	01		
2	11	11	10	11	11	00	00	11	11	00	00	11	10	00	11	11	00		
3	10	10	10	11	10	00	01	11	10	00	01	11	00	00	00	10	01		
4	00	00	10	11	11	00	11	11	11	00	11	11	01	00	10	00	11		
5	01	01	10	11	00	00	10	11	00	00	10	11	11	00	00	01	10		
6	01	01	10	11	10	00	10	11	10	00	10	11	01	00	11	01	10		
7	00	00	10	11	10	00	11	11	10	00	11	11	10	00	11	00	11		
8	11	11	10	11	00	00	00	11	00	00	00	11	01	00	01	11	00		
9	01	01	10	11	01	00	10	11	01	00	10	11	01	00	01	01	10		
10	11	11	10	11	11	00	00	11	11	00	00	11	00	00	10	11	00		
11	00	00	10	11	01	00	11	11	01	00	11	11	00	00	01	00	11		
12	00	00	10	11	10	00	11	11	10	00	11	11	11	00	00	00	11		
13	10	10	10	11	01	00	01	11	01	00	01	11	10	00	01	10	01		
14	10	10	10	11	01	00	01	11	01	00	01	11	11	00	11	11	01		

SW BITS IN PILOT BITS (EXAMPLE) (SHADED PORTIONS INDICATE SW-BITS)

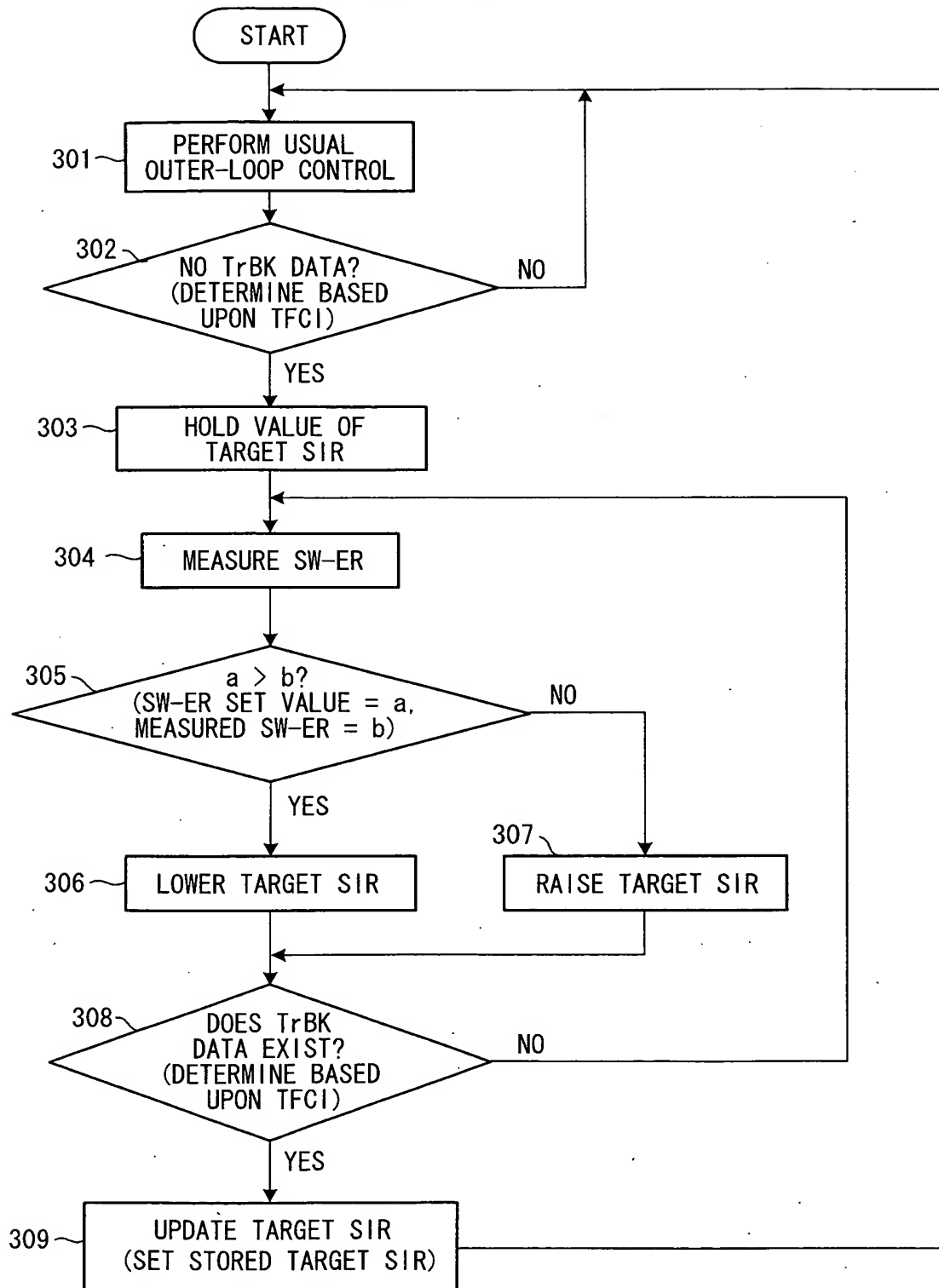
FIG. 4

FIG. 5

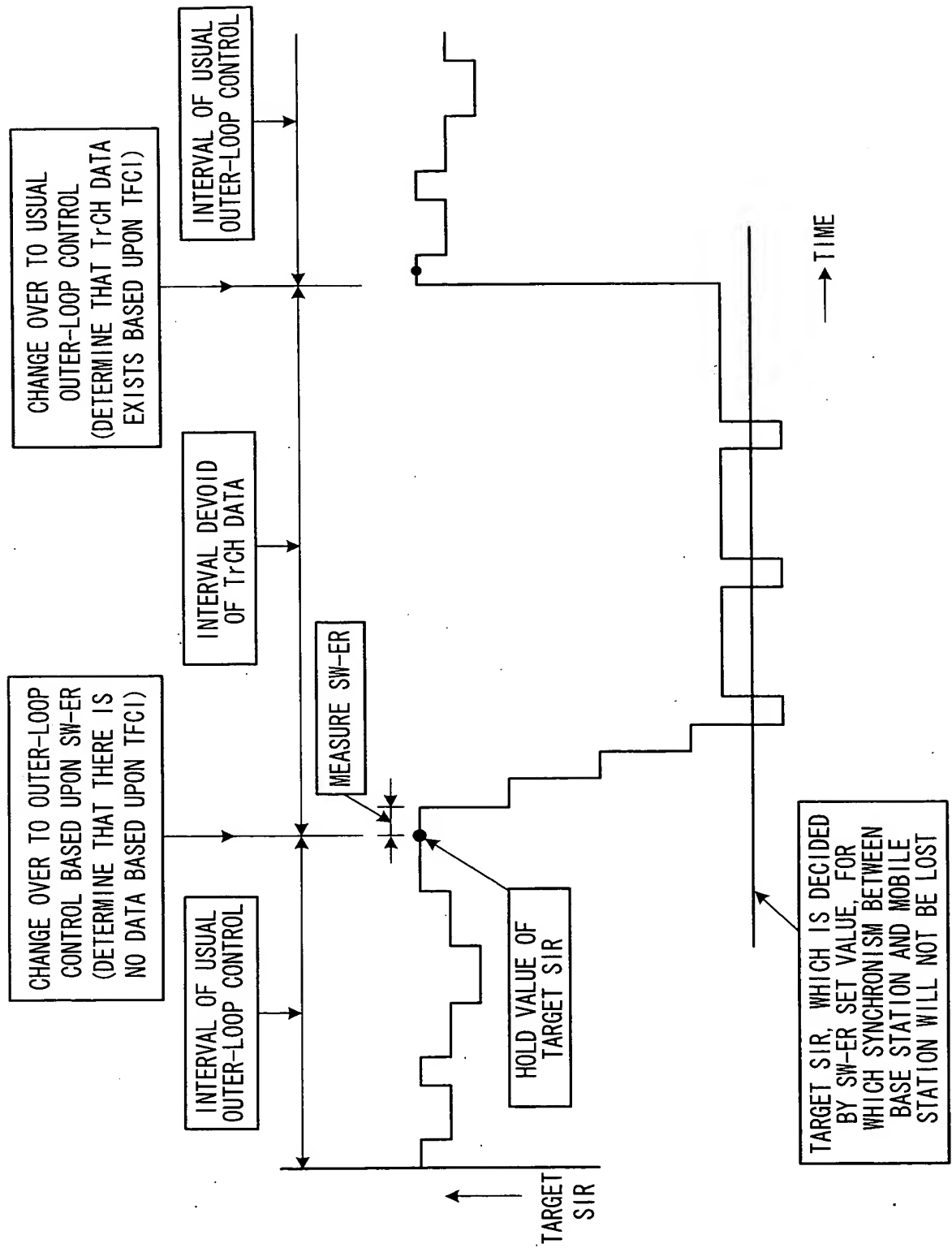


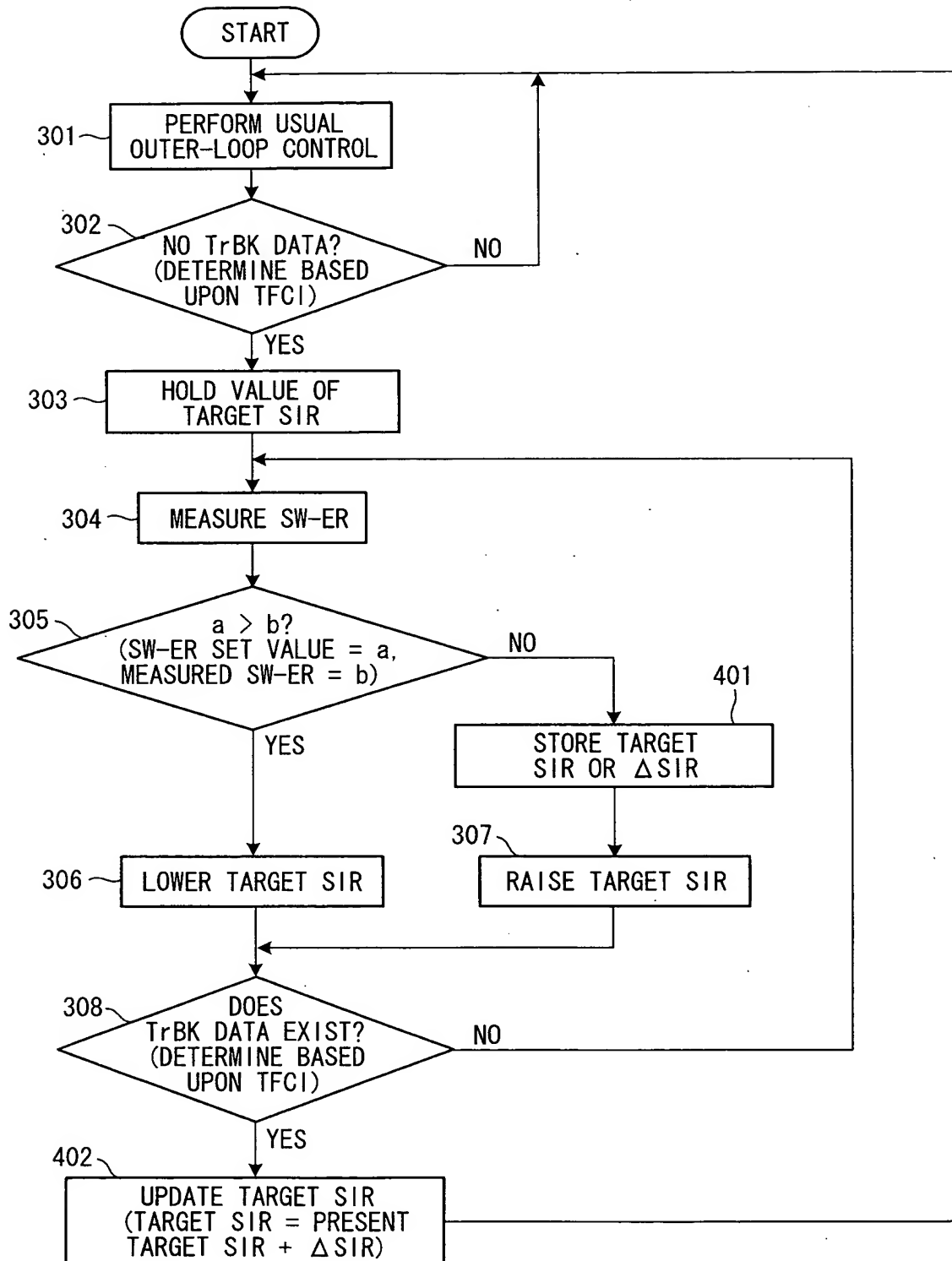
FIG. 6

FIG. 7

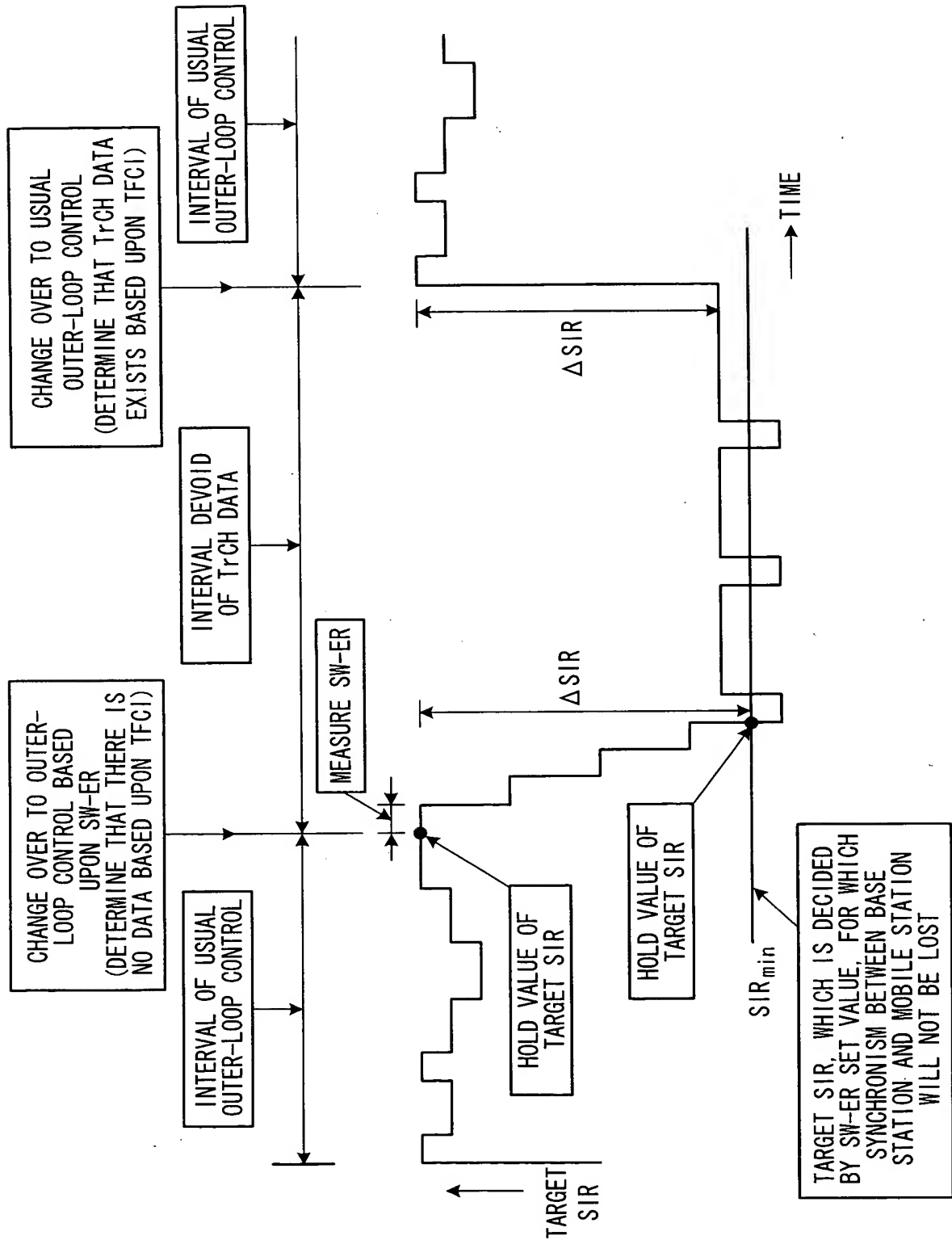


FIG. 8

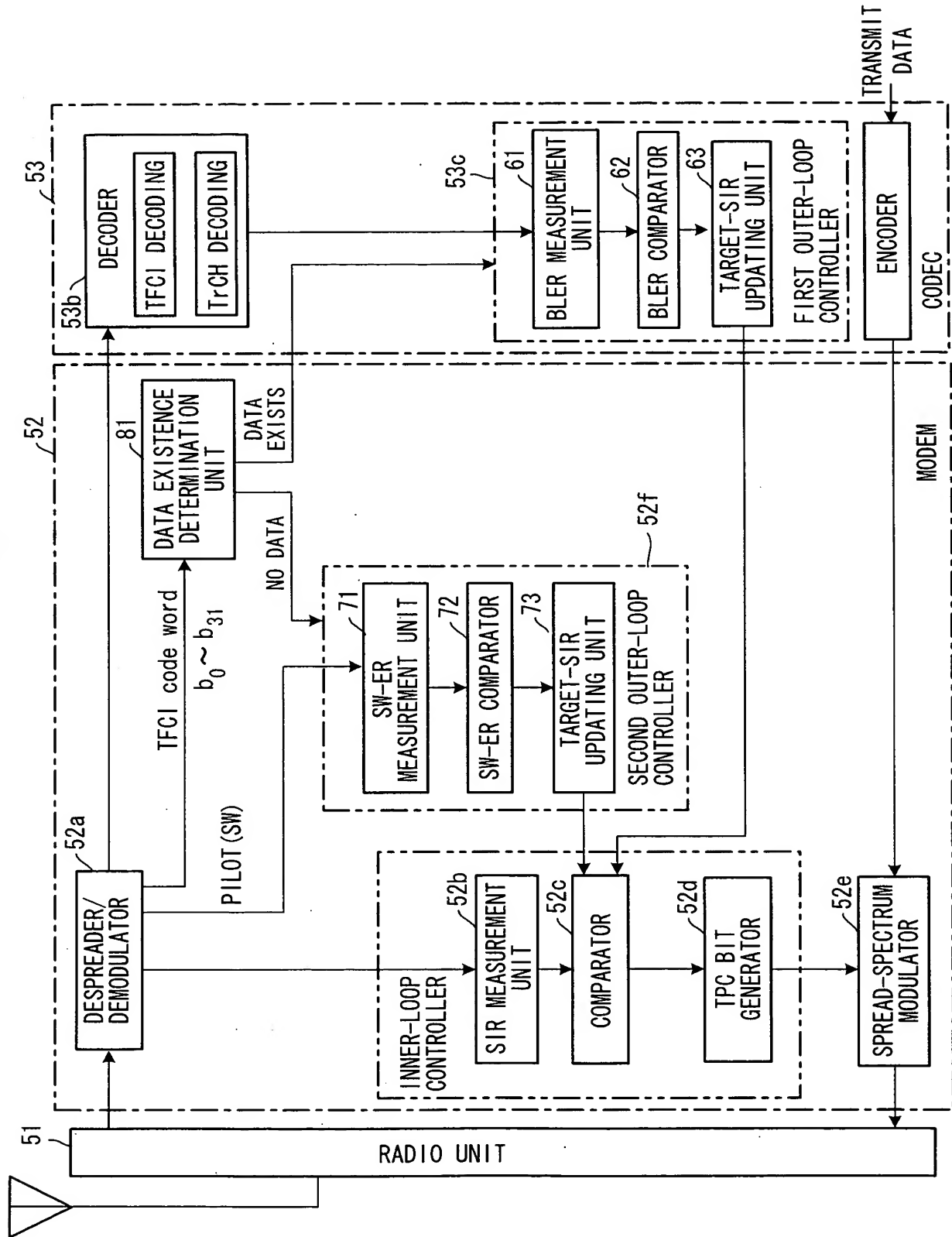
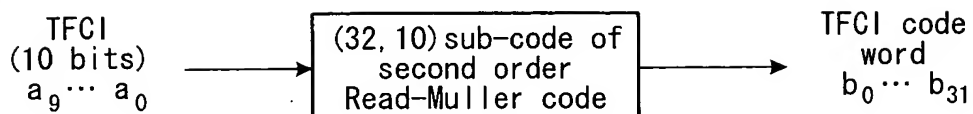


FIG. 9

i	M _{i,0}	M _{i,1}	M _{i,2}	M _{i,3}	M _{i,4}	M _{i,5}	M _{i,6}	M _{i,7}	M _{i,8}	M _{i,9}
0	1	0	0	0	0	1	0	0	0	0
1	0	1	0	0	0	1	1	0	0	0
2	1	1	0	0	0	1	0	0	0	1
3	0	0	1	0	0	1	1	0	1	1
4	1	0	1	0	0	1	0	0	0	1
5	0	1	1	0	0	1	0	0	1	0
6	1	1	1	0	0	1	0	1	0	0
7	0	0	0	1	0	1	0	1	1	0
8	1	0	0	1	0	1	1	1	1	0
9	0	1	0	1	0	1	1	0	1	1
10	1	1	0	1	0	1	0	0	1	1
11	0	0	1	1	0	1	0	1	1	0
12	1	0	1	1	0	1	0	1	0	1
13	0	1	1	1	0	1	1	0	0	1
14	1	1	1	1	0	1	1	1	1	1
15	1	0	0	0	1	1	1	1	0	0
16	0	1	0	0	1	1	1	1	0	1
17	1	1	0	0	1	1	1	0	1	0
18	0	0	1	0	1	1	0	1	1	1
19	1	0	1	0	1	1	0	1	0	1
20	0	1	1	0	1	1	0	0	1	1
21	1	1	1	0	1	1	0	1	1	1
22	0	0	0	1	1	1	0	1	0	0
23	1	0	0	1	1	1	1	1	0	1
24	0	1	0	1	1	1	1	0	1	0
25	1	1	0	1	1	1	1	0	0	1
26	0	0	1	1	1	1	0	0	1	0
27	1	0	1	1	1	1	1	1	0	0
28	0	1	1	1	1	1	1	1	1	0
29	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	1	0	0	0	0
31	0	0	0	0	1	1	1	0	0	0

FIG. 10 PRIOR ART

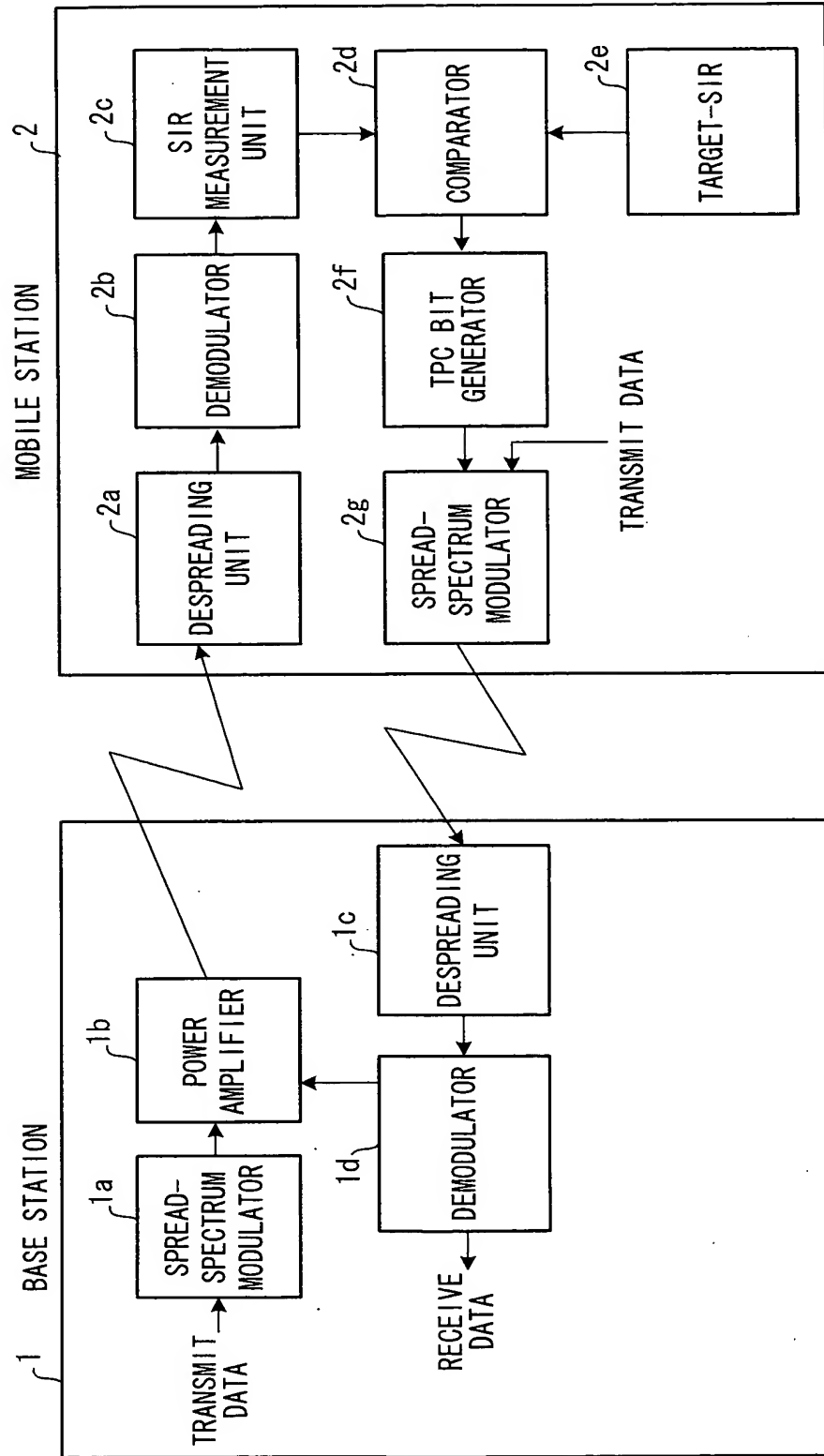


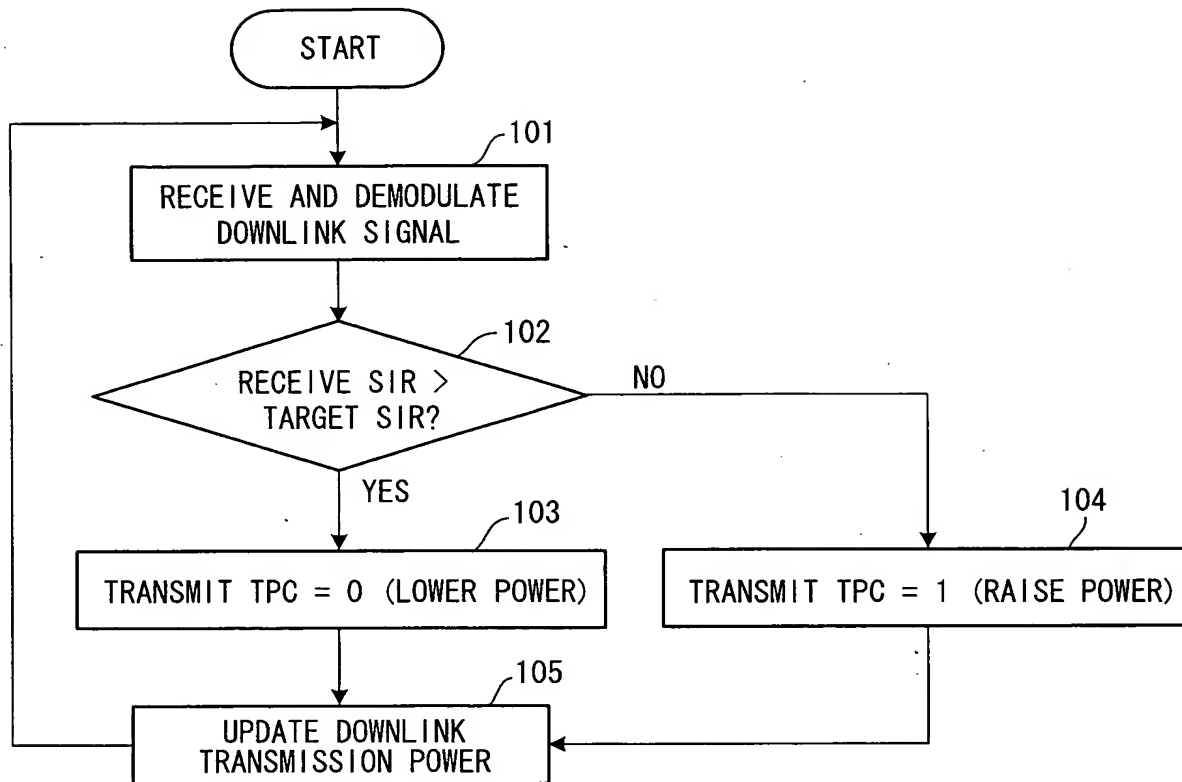
FIG. 11 PRIOR ART

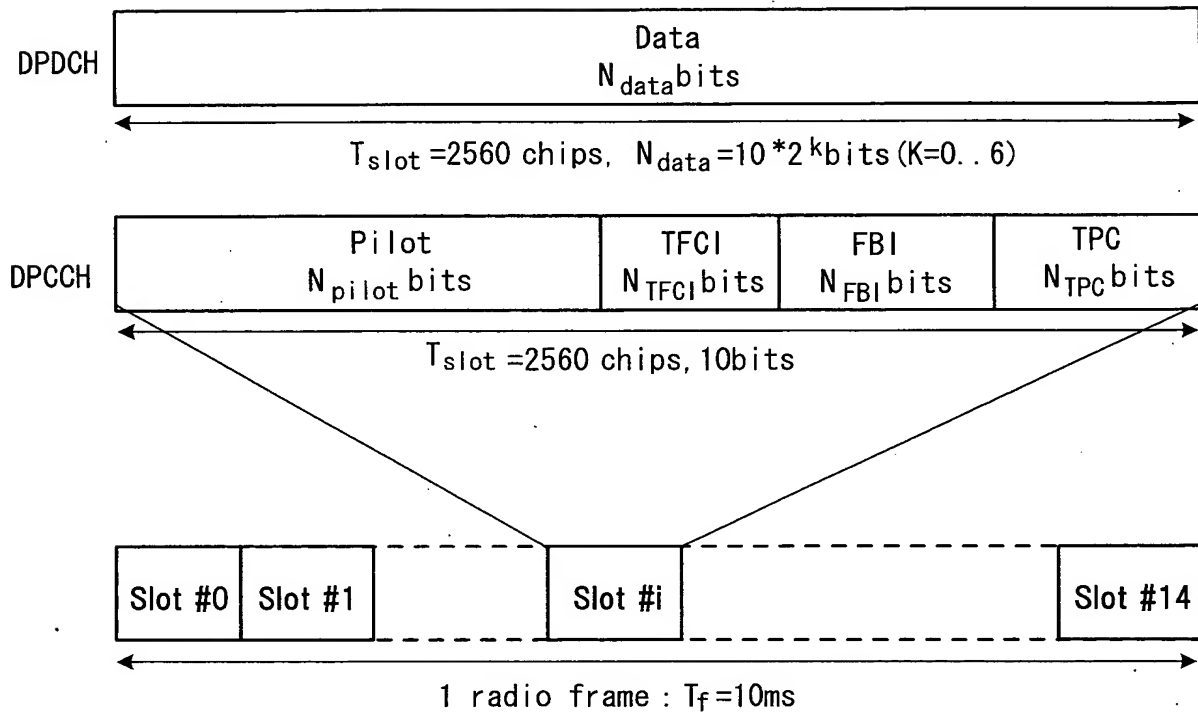
FIG. 12 PRIOR ART

FIG. 13 PRIOR ART

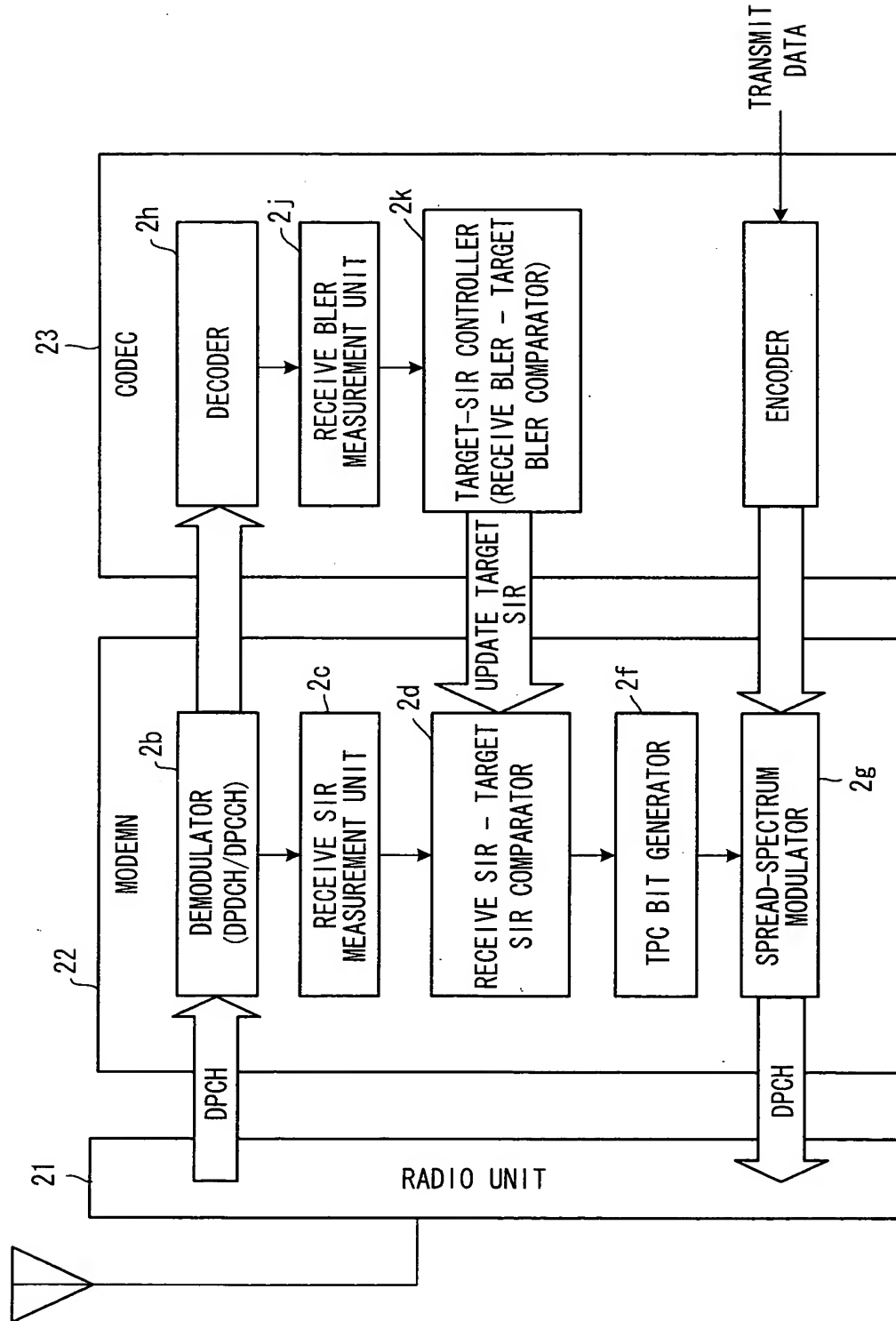
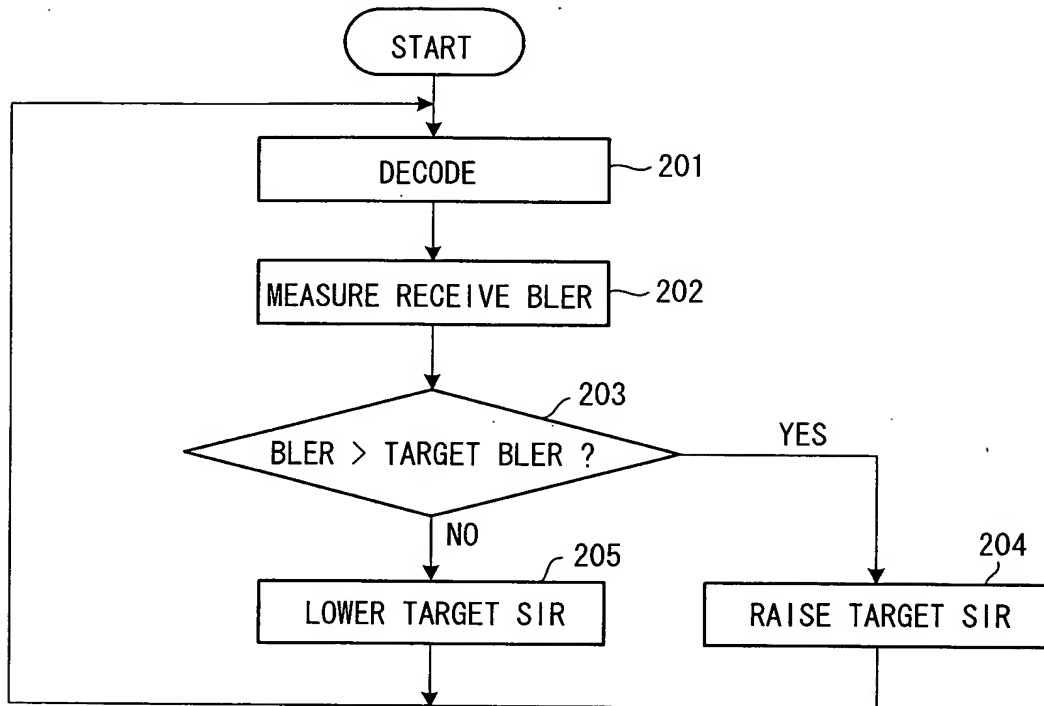


FIG. 14 PRIOR ART**FIG. 15 PRIOR ART**